

**AMENDMENTS TO THE SPECIFICATION**

Please amend the first full paragraph on Page 6, i.e., lines 11–24, as follows:

Referring to FIG. 2, a digital feedback linearizing apparatus 100 according to a first embodiment of the present invention comprises a PA input/output signal subtracting unit 112 that generates a difference between an input signal and an output signal of a PA 10; a look-up table ~~[[14]]~~ 114 used as an inverse distortion feedback signal extracting unit that extracts an inverse distorted feedback signal  $e(t)$  corresponding to an input signal  $x(t)$  based on an output signal of the PA input/output signal subtracting unit 112 and an absolute value of the input signal  $x(t)$  input to the digital feedback linearizing apparatus 100 via a predetermined path; a signal adding unit 116 that generates a predistorted signal  $u(t)$  input to the PA 10 by adding the inverse distorted feedback signal  $e(t)$  to the input signal  $x(t)$ ; and an output signal offset unit 118 that is interposed between an output terminal of the PA 10 and the input/output signal subtracting unit 112 and offsets the amplitude of the output signal  $y(t)$  of the PA 10 by the reciprocal of the total gain GPD. The digital feedback linearizing apparatus 100 using the predistorted signal  $u(t)$  as its input signal.